LU 252968202A ITD_58N-59N NANO V5_EN assemblé.fm Page 1 Mercredi, 20. juin 2007 2:46 14

OFFER NOT TO BE MISSED !

INFINITY SERVICE PACK

The “Infinity Service Pack STB” gives you complete peace of mind by allowing you to benefit from a 2 year warranty extension* under which we will exchange your terrestrial set-top-box at your home or work address if it develops a fault.

You can take advantage of this offer** immediately on www.sagem-online.com or dial 0871 075 0712 (0,10 £/min).

* in addition to the standard manufacturer warranty
** this is an offer from the manufacturer which is only available in the case that your retailer is not proposing a similar service offer.

User Guide

Data subject to change without notice

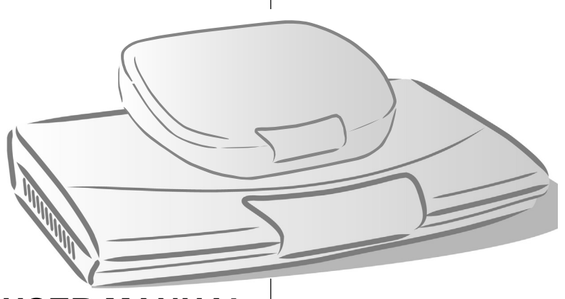
* 2 5 2 9 6 8 2 0 2 A *

SAGEM COMMUNICATION
Société anonyme au capital de 300 272 000 € - 480 108 158 RCS PARIS
27, rue Leblanc - 75512 PARIS CEDEX 15 - FRANCE
www.sagem.com

DIGITAL TERRESTRIAL TV RECEIVER

ITD 58N/59N/60N
ITD 61/62/63/64/65
ITD 68N*/71*/72*/73*/74*/75*

**Top Up TV compatible*



USER MANUAL

ENGLISH

SAGEM

QUICK START

CONGRATULATIONS!

This new generation of Set Top Box gives you access to new digital services and makes it easy for you and your family to choose the very best experiences of Digital TV.
Once you have connected your Set Top Box and adjusted it according to your preference, you can enjoy all the services.
You can update your Set Top Box through the antenna stream as new functions and services become available.
Sagem set top box operates a policy of continuous development. Therefore we reserve the right to make changes and improvements to any of the products described in this manual without any prior notice.
The EMC Directive 89/336/EEC is applied to this product.
SAGEM is a registred trademark of SAFRAN.
The CE marking certifies that the product meets the essential requirements of Directive 1999/5/CE of the European Parliament and of the Council pertaining to microwave radio equipment and telecommunication terminal equipment, for the safety and health of users, for electromagnetic interference. Furthermore, it efficiently uses the frequency spectrum attributed to ground and spatial communication to prevent damaging interference.
The declaration of compliance may be looked up on the www.sagem.com site, section "support" or can be obtained from the following address:
Sagem Communication - Customer relations department
4 rue du Petit Albi - 95800 Cergy Saint-Christophe - France
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ITD 58N / 59N / 60N / 61 / 62 / 63 / 64 / 65 / 68N / 71 / 72 / 73 / 74 / 75
Digital TV Receiver

IMPORTANT NOTICE
Before unpacking this product further,
Your Set Top Box is supplied with default code 1234.

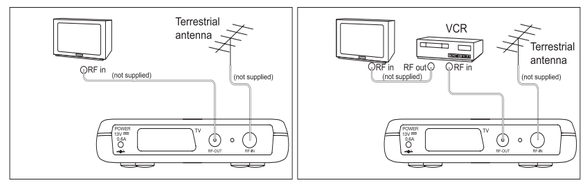
Have you or your local store checked your Postcode for reception?

Telephone number for your local store is on your till receipt.
Should your Store be unable to help, please check the following Website Links for Digital Terrestrial signal coverage:
http://www.dtg.org.uk/consumer/freeview.html
htmlhttp://www.freeview.co.uk
http://www.bbc.co.uk/digital
Please note : In order to receive quality digital signal you may need an aerial upgrade.

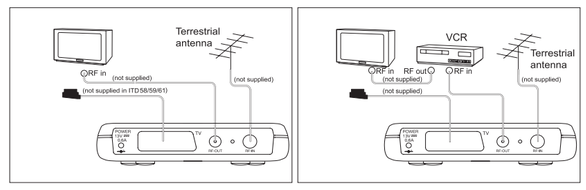
QUICK START

Connection diagram

ITD 60N and TV without scart

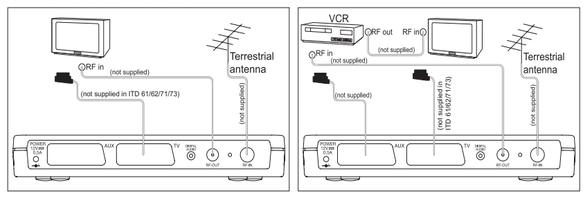


ITD 58N/59N/60N/68N and TV with scart



On ITD 58N/59N/68N, only analog channels can be recorded.

ITD 61/62/63/64/65/71/72/73/74/75



Digital Audio: available only on ITD64/65/74/75

QUICK START

Installation Guide

Getting Started

- ☞ Unpack your Sagem Communication digital receiver and check for the following accessories : User Manual, remote control, batteries and power cable.
- ☞ Disconnect power to all your existing equipment.
- ☞ Locate product in preferred position.
- ☞ Connect all equipment as shown in the diagram on the adjacent page.
- ☞ **Finally,** once all other connections are made, connect power and switch on your television set.

Setting up your Set Top Box

- ☞ Switch on your Set Top Box. Your television switches to external input. If your television does not switch automatically, select the external input to which the Set Top Box is connected (refer to your TV handbook for details).
- ☞ The Set Top Box displays a first time installation message. Press **OK** to continue.
- ☞ Press **OK** to confirm menu language and user country set up.
- ☞ Your Set Top Box will now search for all available channels.
- ☞ Please be patient as this process takes a few minutes.
- ☞ When completed, press **OK** to save the channel list. You should now be watching **Digital Television**.
- ☞ Select your preferred digital channel using the **Up arrow/Down arrow key** button or the numbered keys on your remote control.

Reception issues

- ☞ If no reception or less than 10 channels are found, picture freezes, blanking out or blocking occurs, please re-check all connections and repeat the automatic tuning procedure above.
- ☞ Problems with setting up your Set Top Box could be caused by incorrect signal levels. Your aerial system may need realignment or to be upgraded. Contact your retailer for details.
- ☞ In case of persistant problems despite of correct signal level, contact your retailer or call Sagem Communication helpdesk at **0905 77 48 081** (0.15 £/min, tariff cost effective form 27/06/2005).

Reasons to upgrade your aerial installation

They are 3 main reasons why you may need to upgrade your aerial :
1. **your current aerial and cabling may not be able to receive all the digital channels due to its age and condition,**
2. **in your location the digital channels may be transmitted on a different frequency to your analog signal and you may need a different type of aerial to receive them,**
3. **the new digital channels may be transmitted from a new transmetter and if this is the case, the aerial would have to be realigned. Alternatively you could add a second aerial to your system.**

For further informations, please contact your retailer.

Warnings

Interference - Do not place your Set Top Box near appliances which may cause electromagnetic interferences (i.e. hi-fi speakers). If you do, it may adversely affect the working of the unit, causing the picture or sound to distord.
Covers - Do not remove any fixed covers as this may expose dangerous voltages.
Weather - It is advisable to unplug the aerial during a thunderstorm. Even if your Set Top Box and TV are switched off they can still be damaged by lightning strikes.
Ventilation - The ventilation holes in the casing of your Set Top Box prevent it from over heating. Do not block or cover these holes, especially with cloth or paper. If your Set Top Box is to be built into a compartment or similary enclosed, make sure that there is a gap of at least 10 cm on both sides and 20 cm at the top and back of the unit.
Damage - Never use your Set Top Box if it is damaged in any way.Always place your television on a flat level surface avoiding anywhere which may be subject to strong vibration.
Batteries - Batteries are easily swallowed by young children. Do not allow young children to play with the remote control unit.
Temperature - Avoid extreme temperature, either hot or cold. Place your Set Top Box well away from heat sources such as radiators or gas/ electric fires. Do not place candles or table lamps on or near your Set Top Box.
Moisture - Do not allow your Set Top Box to be exposed to rain, moisture or dust. Do not place a plant or flowers which may need wateringon your TV. If any liquid is split inti your Set Top Box it can cause serious damage. If you spill any liquid into your Set Top Box switch it off at the mains immediately and contact your retailer.

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1. GENERAL INFORMATION

1-1 SAFETY

Use of your Set Top Box is subject to safety measures designed to protect users and their environment.
In order to keep the high performance of your Set Top Box, it should:
- be located in an indoor place to protect it from lightning, rain and direct sunlight,
- be located in a dry and well-ventilated place,
- be protected from damp, be installed in a way to avoid violent shocks,
- be plugged directly into the mains with the cords provided with the Set Top Box. The use of an extension cord is not recommended,
- do not place anything on top of your Set Top Box as this will restrict ventilation.

Be careful
- Contact with a liquid would lead to deterioration of your Set Top Box, which could cause failure. Never open your Set Top Box.
- Like any electronic device, the Set Top Box contains fragile components. It should thus be installed in a place where it is unlikely to fall and out of reach of children.
- The case of the Set Top Box can be cleaned with a soft and dry cloth. Do not use any type of abrasive pad, scouring powder or solvents, such as alcohol or turpentine, as they could damage the surface of the case.
- The Set Top Box must be disconnected from mains supply (from wall socket or rear panel) before any modification of connection between TV, VCR or antenna.
- Use only the Sagem Communication power adaptator given with the Set Top Box to connect the STB to the mains. Other practice may be dangerous.
- Do not forget to put the batteries inside the remote control unit.

1-2 PACKING LIST

Your Set Top Box is delivered with the following components:
- a remote control unit,
- 2 batteries (AAA / R03) for the remote control unit,
- a scart cord for connection to the TV set (Not available with ITD 58N/59N/61/63/71/73),
- AC/DC adapter,
- this user's manual.

1-3 CONNECTION TO THE MAINS SUPPLY

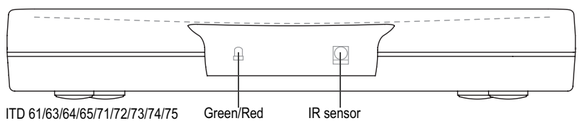
The Set Top Box must be connected by the AC/DC adapter to a 220-240 V wall socket. Turn on the mains power on the wall.

As a safety measure, you can use the power adaptors to cut off the 230V current in case of danger. They must be located near to the device, and must be easily accessible.

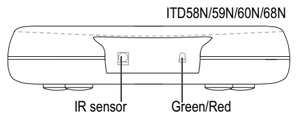
Be advised to put your Set Top Box in standby when not used.

2. GENERAL DESCRIPTION

2-1 FRONT PANEL DESCRIPTION

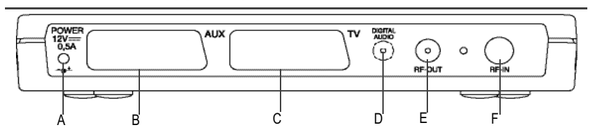


ITD58N/59N/60N/68N



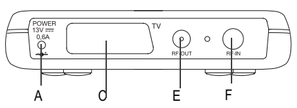
Red LED Stand-by mode.
Green LED Reception of commands from remote control.

2-2 REAR PANEL DESCRIPTION



ITD 61/62/63/64/65/71/72/73/74/75

ITD58N/59N/60N/68N



A – Connector for external AC/DC adapter
B – Scart socket for VCR/AUX connection (*)
C – Scart socket for TV set connection
D – RCA connector for DIGITAL audio ouput (**)
E – RF output for TV
F – Aerial input
(*) Not available on ITD 58N/59N/60N/68N
(**) Only ITD 63/64/65/74/75

2-3 REMOTE CONTROL UNIT

2-3-1 Battery installation

The remote control unit requires two AAA or R3 batteries for operation.
The diagram inside the battery compartment will show you how to insert the batteries.

Warning: Only use the appropriate batteries, according to the manufacturer specifications (see “Outline specifications” page 23). The provided batteries are not rechargeable. Bring back the defective or empty batteries to your local waste disposal in accordance with the current regulations. Do not dispose of used batteries in your dustbin.

2. GENERAL DESCRIPTION

2-3-2 RCU operation

KEY	FUNCTION
	Standby/Switch on
	Text
	Subtitles
	TV/VCR
1 - 9	Numerical keys
	Audio mute
	Audio track
	Radio mode
	Guide (*)
Red	Function key colour
Green	Function key colour
Yellow	Function key colour
Blue	Function key colour
INFO	Information
MENU	Menu
EXIT	Exit
BACK	Previous channel and Back in menus
V+	Audio volume +
V-	Audio volume -
P+	Channel +
P-	Channel -
	Left arrow for navigation
	Right arrow for navigation
	Up arrow for navigation
	Down arrow for navigation
OK	Smart List and Confirm in setup menu

Be sure to point the remote control unit directly toward the Set Top Box
(*) Function not available on ITD 58/60N

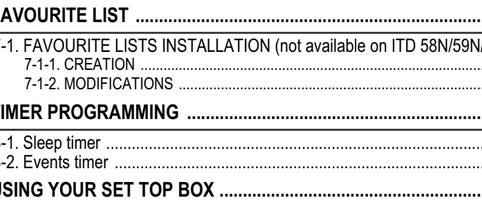
3. CONNECTIONS

3-1 INTRODUCTION

There are several ways of connecting the Set Top Box to your audio/TV system. Some of the methods enable you to listen to music in stereo sound of CD like quality (ITD 63/64/65/74/75 only).
Consult your local supplier for assistance in setting up an audio/video configuration best suited to your unique requirements.
Warning: Disconnect the Set Top Box from the mains before connecting or disconnecting any device to it.

3-2 INSTALL TOP UP TV CARD (only ITD 68N/71/72/73/74/75)

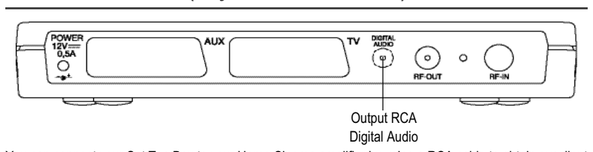
To access, Top Up TV channels, you may turn the receiver and place the smard card as indicated below.



3-3 CONNECTION TO TV SET, VCR AND ANTENNA

Only connect your terrestrial antenna when the Set Top Box is unplugged.
The Set Top Box connects directly to your TV by a scart connector which includes RGB signals to guarantee optimum image quality. Connect the scart cable between the TV scart connector of the Set Top Box and the main scart connector of the TV (the one with 3 points indicating that RGB provision is available).
Then connect the Set Top Box (AUX scart connector) to your VCR or DVD player (main scart connector on the VCR or DVD player). See Connection diagram page II.
Note: ITD 60N/65/75 is equipped with an RF modulator. You can't see digital programs via the RF lead on another TV set.

3-4 AUDIO AMPLIFIER (only ITD 63/64/65/73/74/75)



You can connect your Set Top Box to your Home Cinema amplifier by using a RCA cable to obtain excellent listening comfort comparable to those of audio programs. No volume adjustment is possible from your Set Top Box on this ouput.

4. FIRST TIME INSTALLATION

4-1 GENERAL INFORMATION

Once you have correctly connected the Set Top Box, you also have to perform a “First time installation”. During this procedure, helpful information is displayed at the bottom of the menus.

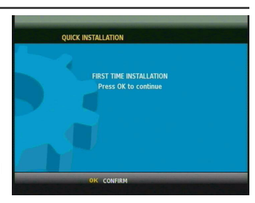
Please note!
The (OK) button always confirms a selection within these menus, and pressing it will take you to the next step in the installation process. However, and this is important, often more than one value has to be entered in a menu. First, perform all necessary settings on the different lines. Then, confirm them all simultaneously by pressing (OK).

- Use cursors (▲) and (▼) to move upwards and downwards from one line to another.
- Use cursors (◄) and (►) to change settings.

You can also use the numerical keys on the remote control to enter numeric values.

4-2 FIRST TIME INSTALLATION

- Plug in your Set Top Box.
- The “QUICK INSTALLATION” menu is shown.
- Press (OK) to continue.
- Select the desired language with cursors (◄) and (►).
- Press (OK) to continue.
- Select the desired country with cursors (◄) and (►). This will also set the current time.
- Press (OK) to continue.



4. FIRST TIME INSTALLATION

4-3 CHANNEL SEARCH IN PROGRESS

This menu will be shown as the Set Top Box is searching for TV and radio channels.

Please note that the search procedure may take a few minutes.

You can cancel the search at any time by pressing **EXIT**.

When the search procedure has ended, a message will indicate how many TV and radio channels have been found.
- Press (OK) to finish the first time installation, save the channel list and to open the door of Digital TV.

4-4 AERIAL FAILURE

If the channel search has found no channel, this screen is displayed to help you adjust the aerial.

Enter a channel number (refer to http//www.dtg.org.uk/retailer/tx_details/_tx_index.htm. For example, Oxford channel numbers are 29, 34, 48,51, 52, 68. These numbers depend on broadcasters and are subject to change.) and move the antenna until the signal and quality bars are green.

When signal and quality are green, press **BACK** to launch a new channel search.

5. RECEIVER SETTINGS

5-1 ICONS

By pressing the MENU key, you may access the following advanced settings through a menu with scrolling icons.

Recording timers* | User settings | Receiver settings

Technical informations | Favourite lists* | Radio | Electronic program guide**

(*)Not available on ITD58N/59N/60N
(**) Not available on ITD58N

5-2 PRELIMINARY/ INSTALLATION CODE

Your Set Top Box is supplied ready to use for a standard configuration.
TV : 4/3 format, RGB (Letterbox)
VCR : PAL (none on ITD 58N/59N/60N)
Access to the installation screens shown below will enable you to adapt your Set Top Box to your favourite equipment.
The access to main menu is obtained by pressing the **MENU** key.
You can memorise your selections by pressing the (OK) key.
Return to the previous screen by pressing the **BACK** key.
Exit from all the screens by pressing the **EXIT** key.
Access to the installation menus is protected by a secret installation code to avoid any unintentional misadjustment.

Your Set Top Box is supplied with default code 1234.

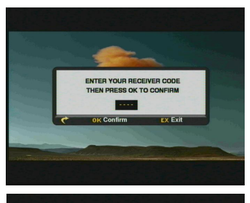
Note: you will not be prompted to enter any code, if the installation code is «0000».

5. RECEIVER SETTINGS

Enter your code.
As soon as each value is entered, the segment is replaced by a star.
Using cursor (◄) of the remote control unit, you can come back to a value that has already been entered and modify it provided the code has not been confirmed by (OK).

After entering the four digits press (OK) to confirm.

An error message will be displayed if the code you have entered is not correct



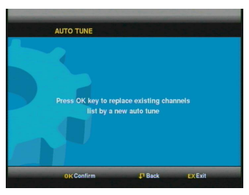
5-3 CHANNEL SEARCH: AUTO TUNE

Press menu key and select icon, then select CHANNEL TUNING. Press (OK) to confirm.

This installation will complete list "All services" with all the channels found during the scanning of all the frequencies.

This list is a summary of all the channels and will not be modified. It will be possible to create personal lists based on this reference list, also called list "All services" (see page 15). It would be advisable to launch a channel search monthly in order to keep your Set Top Box up todate.

Press (OK) to start channel tuning.



5. RECEIVER SETTINGS

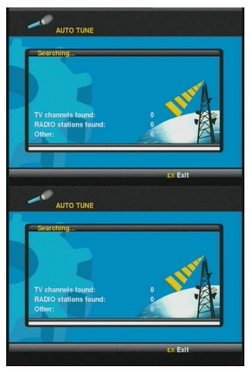
An indicator at the bottom of the screen will indicate the percentage of the scanned frequency band.

The number of different services found is displayed in real time.

A message at the end of the scanning process will ask you to memorize. Press (OK).

You can cancel the scanning process at any time by pressing the **EXIT** key.

You can memorize or not.



Note: You may observe a difference between the number of channel found and the number of channel present in the channel list. This may happen when you are in area where you receive same channel from different transmitters.

5-4 AUDIO/VIDEO INSTALLATION

Press menu key and select icon, then select video and sound settings. Press (OK) to confirm.

Use cursor (▼) to move down to the **VIDEO AND SOUND SETTINGS** icon and press (OK) to confirm.

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5. RECEIVER SETTINGS

5-4-1TV

Several choices are available.
Scroll through the choices using cursors ◄ or ►:

- TV format : 4/3 (Letterbox or Pan-scan) or 16/9.
- TV RGB Output: low,medium, high or none if you want to have PAL video output (*).

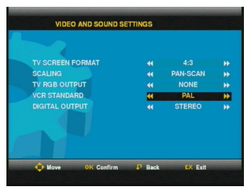
(*) Note that if you choose low, medium or high you will not able to choose the VCR standard format.

5-4-2 VCR (Not available on ITD58N/59N/60N)

Several choices are available.

Scroll through the choices using cursor ◄ or ►:

- PAL or S-Video standard.



After a final check, press OK to memorize the settings. Press **BACK** to continue installation or **EXIT** to terminate.

5-4-3 Modulator (Only ITD60N/65/75)

If you want to adjust the channel for another TV set:

- directly access the menu,
- choose the channel (21 to 69) by entering the number,
- choose the standard of your country (B/G, I or K).

The channel is factory set to 38.

5. RECEIVER SETTINGS

5-4-4 Digital output (Only ITD63/64/65/73/74/75)

Several choices are available.

Scroll through the choices using cursors ◄ or ►:

- Home cinema: Send AC3 audio data to the digital output when available (*).
- PCM: Send to the digital output stereo audio data.

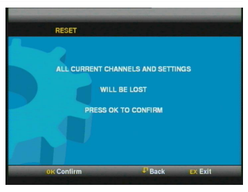
Default configuration is PCM.

(*) If no AC3 audio data are available default audio track will be played.

5-5 REINSTALLATION - RESET

Use this option **only** if you have to start the complete installation procedure all over again. If you continue from here, all your previous settings, access code and favourite channels, etc. will be erased!

If you do not want to perform a reinstallation, you can leave this menu when the warning is displayed by pressing the BACK or EXIT key



6. USER SETTINGS

6-1 LANGUAGE SETTING

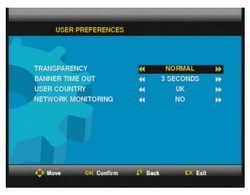
Press **MENU** key and select icon, press OK for access to various configurations. Select **LANGUAGE SETTING** and press OK to confirm.

- **MENU LANGUAGE**
  You may select the menu displayed languages.
- **MAIN AND ALTERNATIVE AUDIO LANGUAGES**
  If more than one audio language is transmitted, you may select the main and the alternative languages.
- **MAIN AND ALTERNATIVE SUBTITLES**
  If more than one subtitle is transmitted, you may select the main and the alternative subtitles. To have no subtitle, select NONE for main or alternative subtitle.

6-2 USER PREFERENCES

(APPEARANCE PREFERENCES)

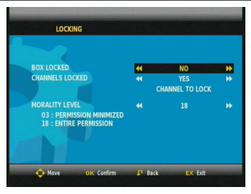
- **BANNER TRANSPARENCY** When you switch channels, an information banner will be shown for a few seconds.
  You can select the transparency aspect of the banner (none for full blue, high for full tranparency).



- **BANNER TIME OUT**
  When you switch channels, an information banner will be shown for a few seconds. You can select for how long the banner will be shown (0 to 10 seconds). Select 0 second to have no banner displayed when zapping.
- **TOT MANAGEMENT**
  If the time is not synchronysed with the signal received, you can manage it manualy. Use the ◄ and ► keys to choose a time offset on the Greenwich GMT. Press OK to Confirm.

6. USER SETTINGS

6-3 LOCKING (not available on ITD 58N/59N/60N)



3 types of locking are provided:

- Select Box Locked (yes/no) for general locking. This represents the highest Set Top Box locking level. You will be prompted to enter your code each time you switch on your Set Top Box.

  Note: this locking will be activated after one standby/on cycle.

- Select Lock Channels (yes/no) for locking activation. This locks or unlocks all the locked channels in one operation. This offers the advantage of being able to lock several channels and unlock them temporarily.
- Select Channels To Lock for individual channel locking: you can choose to lock only selected channels. To do so, navigate through the channels using cursors ▲ and ▼ and OK press each time you want to lock a channel.

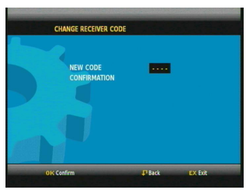
6-4 CHANGING INSTALLATION CODE

Press **MENU** key and select **CHANGE INSTALLATION CODE**, select icon, press OK to confirm.

Enter your new code.

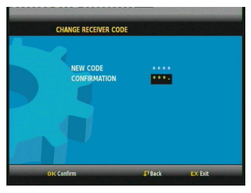
As soon as the value has been entered, the segment is replaced with a star.

Use cursor ◄ on the remote control unit to come back to a value that has been entered and modify it.



6. USER SETTINGS

Enter the same new code to confirm it.



"CORRECT CONFIRMATION" appears, the code is validated automatically.

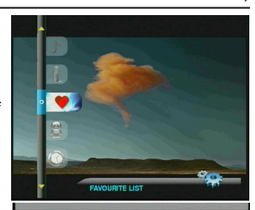
If you have not entered the right code, you will see the error message according to **"BAD CODE CONFIRMED"** restart the procedure.

Note: **use value "0000" if you do not want to enter any protection code.**

7. FAVOURITE LIST

7-1 FAVOURITE LISTS INSTALLATION (not available on ITD 58N/59N/60N)

Press MENU key and select icon, press OK to confirm.



This function will enable you to make up a FAVOURITE list of the TV or radio type from the reference list All Services.

7-1-1 CREATION

Two lists are displayed simultaneously.

- The list on the left side is the reference list (issued scanning installation).
- The list on the right side is the list under construction.

Use cursors ◄ and ► of the remote control to select the main of the list to be created. Use ▼ to validate the list to be created. Press the green key to integrate the selected channel. Repeat as many times as necessary.
At the end of the creation, memorise using the yellow key.

Use cursors ◄ and ► of the remote control unit to move from one list to another.
To copy a channel from list "All services" to favourite list (A to G), place the index on the program to be transferred and press the green key.
Repeat as many times as necessary.
At the end of creation, memorise using the yellow key.

7-1-2 MODIFICATIONS

At any time, you can modify your favourite list (A to G). Memorize at the end using the yellow key.

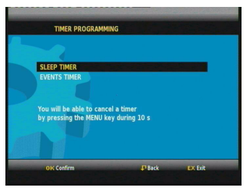
- To erase, place the index on the channel to be erased and press the red key.
- To insert a new channel from main list "All services" (for example if you have forgotten to put it in number 5). Move the index in the list "All services" (all channels), select it by pressing the green key (the channel is added at the end of your favourite list). Move the index in your favourite list up to the channel, press the blue key to select it, then use ▲ or ▼ key to move it , and press blue key again when you are at the right place.
- To move a channel from one place to another in a favourite list, delete it and then insert it from the main list to the place you want.

8. TIMER PROGRAMMING

Press MENU key and select icon, press OK to confirm (not available on ITD 58N/59N/60N).

The Timer programming function enables the Set Top Box to:

- switch off at a selected hour (sleep timer),
- automatically switch to your preselected channels at preselected times (events timer).

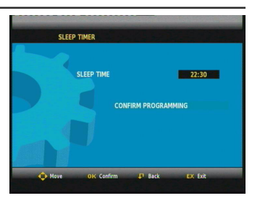

TIMER PROGRAMMING
SLEEP TIMER
EVENTS TIMER
You will be able to cancel a timer by pressing the MENU key during 10 s
OK Confirm Back EX Exit

8-1 Sleep timer

Enter the selected sleep hour.

Select CONFIRM PROGRAMMING with ▲ and ▼.

Press OK to confirm.



8. TIMER PROGRAMMING

8-2 Events timer

Press MENU key and select icon, press OK to confirm then select **EVENTS TIMER**.

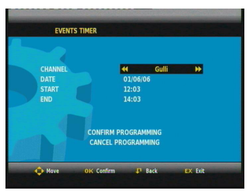
You can make the Set Top Box start and stop at a predefined time.

The timer function is very useful when you want to record a program and you are unable to start/stop the recording event yourself, or when you just want to be reminded of the start of a program you do not want to miss.

- Press OK to set an event.
- First, select Channel list with ◄ or ► key.
- Set the date using the numerical keys on your remote control (dd/mm/yy).
- If you enter a wrong digit, you can erase it with cursor ◄.
- Set the start and stop time using the numerical keys on your remote control.

The different start times must not overlap each other.

- Select Confirm and press OK to save.
- Select Cancel and press OK to abort.



Up to 6 different events can be predefined.

At each stop time, the box will return to standby.

During the predefined event in process, you can stop it by pressing the **MENU** key during 10 seconds.

9. USING YOUR SET TOP BOX

9-1 CHANNEL CHANGE

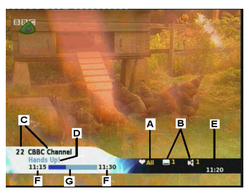
- **Using the keys P+ and P- or keys 0-9**
  Press the keys P+ and P- to change channel or enter its number on numeric keypad of the remote control unit to access the desired channel directly. It is possible to go back to the previous channel viewed by pressing the **BACK** key.

- **Using the channel list**
  Press the **OK** key to display the channel list, select your channel, press **OK** key again to validate. It is possible to go back to the previous channel viewed by pressing the **BACK** key.

9-2 PROGRAM INFORMATION

Every time you change channels, you will receive program information for a few seconds (in the User preferences menu (see page 12), you can select how long this information will be shown). The information may include:

A - Channel list
B - Number of audio tracks and subtitles available
C - Channel number and name
D - Name of the current program
E - Current time
F - The start and end time of the current program
G - A bar, indicating the elapsed time of the current program

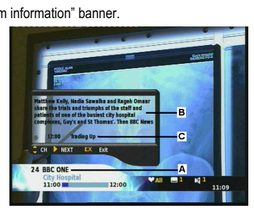


9-3 EXTENDED PROGRAM INFORMATION

The Set Top Box can display information about programs currently being broadcasted as well as those that will be broadcasted next.

By pressing **INFO** while watching TV, you will get the "Program information" banner.
A - Program information (see previous chapter)
B - Short summary
C - Next program

The next info page is displayed automaticaly in the following 5 secondes.



9. USING YOUR SET TOP BOX

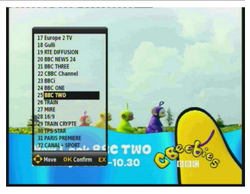
IUse cursors ◄ and ► to switch between the current and the next program information.

You can see another channel information by pressing cursors ▲ and ▼.

By pressing OK, you will watch the video. Press **INFO** or **EXIT** to return to TV mode.

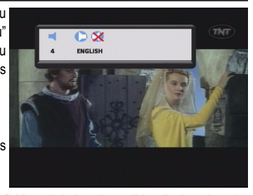
9-4 TV CHANNELS LIST

- When viewing TV programs, press OK to display the current channels list.
- Move with cursors ◄, ►, ▲ and ▼ select channel with OK.



9-5 AUDIO LANGUAGE AND SUBTITLE LANGUAGE SELECTION

By pressing 🔊? or 💬, you open the menu that lets you enter **temporary** settings. Settings made in this "options menu" are only valid for the program you are currently watching. If you leave the program and return to it again, the temporary settings will be lost.



9-5-1 Audio language

When available, you can select among the different languages being broadcast by pressing 🔊?.

ITD 63/64/65/74/75 only: If a digital audio stream is available,"DA" eg digital audio - will be displayed on the same line than the audio language tag. This allows you to choose between stereo or home cinema audio tracks.

Please note: when you select a digital audio, there will be no sound output from the analogue audio connections.

9. USING YOUR SET TOP BOX

9-5-2 Dual Audio

When 2 audio voices are played, you can choose one of them by pressing 🔊? and select the left or the rigth voice with ◄, ►.

9-5-3 Subtitle language 💬

When available, you can select among different subtitle languages.

- Each time you press 💬, if changes the language.
- A time out automatically closes this menu.
- The number on the left of each language indicates how many languages are available on this current channel.

9-6 VOLUME ADJUSTMENT

To increase or reduce the volume, use V+ or V- remote control keys.
To turn off the sound quickly, press the 🔇 mute key.
Press the 🔇 mute key again to restore the sound.
The audio volume cannot be adjusted in the VCR and TV modes.

9-7 TV MODE

With the ⮌ button, you can toggle between external connected equipment, such as e.g. a digital terrestrial TV or a video recorder (the video must be switched on).
(This is only valid when the units are connected via SCARTcables, and not by RF connection).

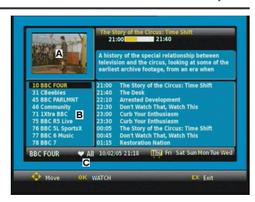
9-8 DIGITAL TEXT SERVICES

Pressing ☰ key will launch digital text services when broadcast. These interactive applications give you access to various information.

9-9 ENHANCED PROGRAM GUIDE (not available on ITD 58N/60N/68N)

To display more detailed information about a selected program, press the key 📖. To remove this information, press **EXIT** key.

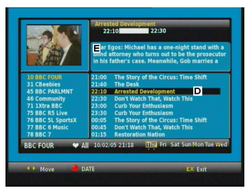
A - Resized video is displayed. The video displayed is the current channel's one before entering the EPG.
B - Channels list of the current list is displayed. Select the chosen channel with ▲ and ▼ and see the associated resized video by pressing OK.
C - Displays the name of the favourite list used.



9. USING YOUR SET TOP BOX

D - By pressing ►, the current event is highlighted. You can see all events of the day if broadcast by pressing ▲ and ▼.
E - The following information about the selected program is displayed at the top of the screen:

- the time the program begins and ends,
- a bar which fills in as the program progresses,
- the name of the program,
- information about the program's contents (press **INFO** key to have extended content shown by...).


E
D
10 BBC FOUR
21:00 The Story of the Circus: Time Shift
21:40 The Desk
22:10 Arrested Development
23:00 Curb Your Enthusiasm
23:30 Curb Your Enthusiasm
00:05 The Story of the Circus: Time Shift
00:45 Don't Watch That, Watch This
01:15 Restoration Nation
BBC FOUR
10:02:05 21:18 Thu Fri Sat Sun Mon Tue Wed
Move DATE EX Exit

F - Press red key to be able to change the date. Then press cursors ◄ and ► to change the date (7 days available according to the data sent by the provider) (Only one day present and following events on ITD 62/72).

10 BBC FOUR
20:05 Experiment Perilous
21:30 Jazz Britannia: Live at the Barbican
23:35 Death on the Staircase
00:15 Don't Watch That, Watch This
00:45 The Magic Roundabout Story: Time
01:45 Jazz Britannia: Live at the Barbican
03:45 This Is BBC FOUR
05:30 This Is BBC FOUR
05:35 This Is BBC FOUR
BBC FOUR
10:02:05 21:18 Thu Fri Sat Sun Mon Tue Wed
F
Move DATE EX Exit

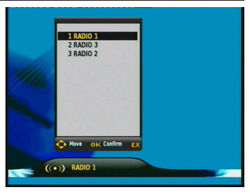
Note: information about a selected program can be displayed only if available from the broadcaster.

9-10 RADIO MODE

Press the 🎵 key on the remote control unit of the Set Top Box.

You can move through the list displayed using ▲ and ▼.

You can adjust the volume with V+ and V-.



9-11 SET TOP BOX ENHANCEMENT

The Set Top Box goes in this state when a new version of software is available on the network after startup.

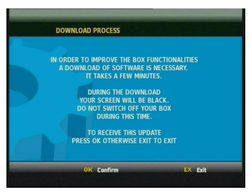
- Red led flashes.
- The Welcome screen is displayed.

Then a screen for "download process" request is displayed.

9. USING YOUR SET TOP BOX

You can delay the downloading process by pressing the **EXIT** key. This process will be displayed again the next time you switch on your Set Top Box. When pressing the key, the downloading will be performed:

- Then the screen becomes black,
- Flash on led.


DOWNLOAD PROCESS
IN ORDER TO IMPROVE THE BOX FUNCTIONALITIES
A DOWNLOAD OF SOFTWARE IS NECESSARY.
IT TAKES A FEW MINUTES.
DURING THE DOWNLOAD
YOUR SCREEN WILL BE BLACK.
DO NOT SWITCH OFF YOUR BOX
DURING THIS TIME.
TO RECEIVE THIS UPDATE
PRESS OK OTHERWISE EXIT TO EXIT
OK Confirm EX Exit

During this mode, no action from the user is authorized.
Once the process is completed, the receiver will switch on automatically. After startup an information screen is displayed on download completed. Then press OK and enjoy with your last viewed program.

Note: if the download process is not correctly performed, the screen stays black and the green led flashes indicating the cause of the failure (see table below).
When an error occurs, press any key on the remote to continue. Then put the Set Top Box in standby mode and switch it back on to perform downloading again.
If this operation does not succeed, unplug the main cord and the antenna cord. Then plug them again to perform downloading again.

9-12 TROUBLESHOOTING

Error Code	Origin of Error	User Action
1, 2 or 3 flashes	Reception error	Acknowledge the message by pressing any key on the remote control. If necessary, repeat your request.
4, 5 or 6 flashes	Flow validity errors	Acknowledge the message by pressing any key on the remote control. If necessary, repeat your request.
7 or 8 flashes	Local errors	Acknowledge the message by pressing any key on the remote control. If necessary, repeat your request.
9, 10, 11 or 12 flashes	Various errors	Acknowledge the message by pressing any key on the remote control. If necessary, repeat your request.
14, 15, 16 or 17 flashes	Defective Set Top Box	Contact your retailer for replacement.

The remote control has no effect on the Set Top Box	☞ Point the remote control towards the terminal. ☞ Check the state and polarity of the batteries.
The red front panel LED remains on	☞ Switch terminal from standby to on ⏻.
A black screen or an error message is displayed	☞ Perform a new auto tune.
Bad reception with a portable antenna	☞ Move the antenna away from the Set Top Box.

9. USING YOUR SET TOP BOX

9-13 OUTLINE SPECIFICATIONS

Tranmission standards

DVB-T, MPEG 2, COFDM

Tuner (RF Input)

Input Connector: IEC 169-2 Female
RF input frequency range : UHF 470-862 MHz (8 MHz BW)
RF input level: -90 to –20 dBm
RF impedance: 75 Ohm
COFDM bandwidth: 8Mhz
Tuning step: 166,66Khz

RF booster/modulator CH 21-69 *(ITD 60N65/75 only)*
Tv standard : B/G, K, I (selectable)
Ouput Connector: IEC 169-2 Male
Loopthrough F. Range: 47-862 MHz

Demodulator

COFDM mode : 2k / 8k supported
Support SFN
Modulation: QPSK, 16-QAM, 64-QAM
Code rate: 1/2 to 7/8
Mode: Non hierarchical
Guard interval: 1/4, 1/8, 1/16, 1/32
De-interleaver: 12x17 Forney convolutionnal
Outer decoder: Reed Solomon (204,188, 8)

Demultiplexing/Descrambling

CD ISO/IEC 13818-1 compliant

Video Decoder

MPEG-2 (ISO/IEC 13818-2)
Profile level: MP@ ML
Input rates: 1.5 to 15 Mbit/s
Aspect Ratio: 4:3 and 16:9
Video resolution: 720x576, 704x576, 544x576, 480x576, 352x576, 352x288
Conversion: Pan and Scan, Letter box
Resizing: Down/Up (1/4, 1/16)

Audio Decoder

CD ISO/IEC 13818-3 compliant
MPEG layer I et II (Musicam Audio)
Mode: Mono, Stereo, Joint stereo
Sampling frequency: 32/44.1/48 KHz

A/V Data Input/Output

TV scart
RGB, CVBS, Audio stereo
AUX scart (ITD 61/62/63/64/71/72/73/74/75 only)
RVB in, CVBS, S-video out, Audiostereo

RCA connector, Digital audio output (AC3 and PCM) (ITD 63/64/65/73/74/75 only)

External Power supply

AC: 220-240 V ~50 Hz
Output: 13 V DC 700 mA
Power consumption:
- active mode: 11 W
- standby mode: 9.5 W)

External Power supply Eco range

AC: 220-240 V ~50 Hz
Output: 12 V DC 400 mA
Power consumption:
- active mode: 7 W
- standby mode: < 2 W)

Front Panel

1 leds
IR sensor : 38 KHz

Rear Panel

1 x IEC female (signal input)
1 x IEC male (RF Loopthrough)
1 x TV SCART
1 x AUX SCART (ITD 61/62/63/64/71/72/73/74/75 only)
1 x RCA (digital AC3 output)

Physical Specifications

ITD 58N/59N/60N/68N:
Size (wxdxh): 150x135x40 mm
Total weight: ~300 g
Operating temp. +5°C to +40°C
Total packing (carton box)
Total weight: ~1.0 kg
Size (wxdxh) : 200x160x108 mm
Storage temp. -25°C to +65°C

ITD 61/62/63/64/65/71/72/73/74/75
Size (wxdxh): 220x135x35 mm
Total weight: ~400 g
Operating temp. +5°C to +40°C

Total packing (carton box)
Total weight: ~1.0 kg
Size (wxdxh) : 247x236x80 mm
Storage temp. -25°C to +65°C

Accessories

35 keys Remote Control
NEC Code
Operating range up to 7 m
Batteries 2 x 1.5 V (type AAA)

Power cord
Scart cord (ITD 62/64/65/72/74/75 only)
User manual
External AC/DC adapter

9-14 GUARANTEE (TERMS AND CONDITIONS)

ATTENTION
In order to apply the guarantee, you should contact your dealer or Sagem Communication helpdesk at 0905 77 48 081 (0.15 £/min, tariff cost effective form 27/06/2005). Proof of purchase will be required. Should any malfunctioning arise, the dealer or Sagem Communication helpdesk will advise you what to do.

If you bought your equipment from Sagem Communication directly, the following shall apply:
1) Sagem Communication undertakes to remedy by repair, free of charge for labour and replacement parts, any defects in the equipment during a period of twelve (12) months from the date of original delineavit of the equipment, where those defects are a result of faulty workmanship.
During this twelve-month guarantee period, the defective equipment will be repaired free of charge; the customer must however return the defective equipment at his/her own expense, to the address given by Sagem Communication After Sales Department, the phone number of which can be found on the delivery slip. Unless the customer has concluded with Sagem Communication a maintenance contract for the equipment which specifically provides for repairs to be carried out at the Customer'splace, the repairs will not be carried out on the equipment at the Customer's place.
The following sentence applies to purchases of equipment for the customer's trade, business or profession. Except as otherwise expressly provided in this Document and to the extent permitted by law, Sagem Communication makes no representations or warranties, express or implied, statuette or otherwise, and to such extent, all terms and conditions implied by law are hereby excluded.
This guarantee does not affect the Customer's statutory rights.
2) Exclusions from Guarantee
Sagem Communication shall have no liability under the guarantee in respect of:
- damage, defects breakdown or malfunction due to:
  - failure to properly follow the installation process and instructions for use, or
  - an external cause to the equipment (including but not limited to, lightening, fire, shockor water damage of any nature), or
  - modifications made without the written approval of Sagem Communication, or
  - a failure or neglect to maintain the equipment or inappropriate maintenance, or
  - unsuitable operating conditions, particularly of temperature and humidity, or
  - repair or maintenance of the equipment by persons not authorised by Sagem Communication,
- wear and tear from normal daily use of the equipment and its accessories,
- damage due to insufficient or bad packaging of equipment when returned to Sagem Communication,
- supply of new versions of software,
- work on any equipment or software modified or added without the prior written consent of Sagem Communication,
- malfunctions not resulting from the Equipment or from software installed in user workstations for the purpose of use of the equipment,
- communication problems related to an unsuitable environment, including:
  - problems related to access and/or connection to the Internet such as interruptions by access networks or malfunction of the line used by the subscriber or his correspondent,
  - transmission faults (for example poor geographical coverage by radio transmitters, interference or poor line quality),
  - the local network fault (wiring, servers, workstations) or the failure of the transmission network,
- the normal servicing (as defined in the user guide supplied with the equipment) as well as malfunctioning due to servicing not being carried out, servicing costs are in any event always borne by the customer.

10. ENVIRONMENT

Preservation of the environment is an essential concern of Sagem Communication. The desire of Sagem Communication to operate systems observing the environment and consequently it has decided to integrate environmental performances in the life cycle of its products, from manufacturing to commissioning, use and elimination.

10-1 PACKAGING

The presence of the logo (green dot) means that a contribution is paid to an approved national organisation to improve packaging recovery and recycling infrastructures.

To facilitate recycling, please respect the sorting rules set up locally for this kind of waste.

10-2 BATTERIES

If your product contains batteries, they must be disposed of at appropriate collection points.

10-3 THE PRODUCT

The crossed-out waste bin stuck on the product or its accessories means that the product belongs to the family of electrical and electronic equipments.

In this respect, the European regulations ask you to dispose of it selectively:
- At sales points in the event of the purchase of similar equipment.
- At the collection points made available to you locally (drop-off centre, selective collection, etc.).

In this way you can participate in the re-use and upgrading of Electrical and Electronic Equipment Waste, which can have an effect on the environment and human health.